
North America's Leader in Hazardous Material Information Management
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MSDS PRODUCT INFORMATION

Date: 10/07/2005
To: MSDS Requester
From: 3E Company
Subject: The MSDS you have requested

☐ MSDS NOT REQUIRED

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

☐ MSDS DISCONTINUED PRODUCT

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

☐ MSDS BEST COPY AVAILABLE

The MSDS attached is the best copy available from the manufacturer.

☒ MANUFACTURER NO LONGER IN BUSINESS

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Safer, Inc.

Product Name: Safer Brand Moss & Algae Killer & Surface Cleaner Ready to Spray

MATERIAL SAFETY DATA SHEET
(Complies with OSHA CFR 1910.1200, ANSI Z 400.1-1993)

SECTION 1: Chemical Product & Company Identification

Product Name(s): Safer® Brand Moss & Algae Killer & Surface Cleaner Ready to Spray

MSDS Number: 5324 **EPA Number:** 42697-7

Manufacturer Name & Address: Safer®, Inc., a wholly owned subsidiary of Verdant Brands, Inc. 9555 James Avenue S., Suite 200, Bloomington, MN 55431

Telephone Contact Number & Hours of Operation: (612) 703-3300, 8:00 a.m. - 5:00 Central Time

Emergency Telephone Contact Number: Chemtrec 1-800-424-9300

SECTION 2: Composition/Information on Ingredients

<u>Hazardous Ingredients</u> (?)	% by weight CAS No.		OSHA	PEL	ACGIH	TLV
			TWA	STEL	TWA	STEL
ethyl alcohol	< 30.0	64-17-5	1900 mg/m ³	NE	1880 mg/m ³	NE
methyl alcohol	< 2.0	67-56-1	260 mg/m ³	NE	262 mg/m ³	328 mg/m ³
Potassium Salts of Fatty Acids	40.0	N/A	NE	NE	NE	NE

* all ingredients in quantities > 1.0 % (0.1 % for carcinogens or teratogens) that are potentially hazardous per OSHA definitions
N/A = not applicable NE = not established

SECTION 3: Hazards Identification

EMERGENCY OVERVIEW

Physical description: Clear straw yellow liquid

Odor: Alcohol and lard odor

Potential Health Effects: This material is severely irritating to the eyes and skin. Personnel responding to a spill of this material should wear appropriate protective clothing.

SECTION 4: First Aid Measures

Skin Contact: Wash with plenty of soap and water. Get medical attention.

Ingestion: If swallowed, promptly drink large amounts of water. Never give liquids to an unconscious person. Get medical attention.

Eye Contact: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

NOTES TO PHYSICIAN: The range of toxicity for methanol ingestion is extremely variable. Blood levels of methanol and degree of acidemia are more indicative of risk. Visual changes have been described, and may be delayed for 12 to 24 hours. Funduscopic findings may be normal but also may show peripapillary edema, hyperemia of the optic disc or retinal edema.

SECTION 5: Fire Fighting Measures

Extinguishing media: alcohol foam

Flashpoint: 71 - 72°F

Hazardous products of combustion: not determined

Autoignition temperature: not applicable

Special fire fighting procedures: Water stream may spread fire.

NFPA Ratings: Health = 2 Fire = 3 Reactivity = 0

SECTION 6: Accidental Release Measures

Spills: Rinse with abundant water and mop up (See Disposal Comments in Section 13)

SECTION 7: Handling & Storage

Storage: Store away from heat, out of reach of children. Do not contaminate water, food or feed by storage or disposal. Do not reuse container.

SECTION 8: Exposure Controls & Personal Protective Equipment

Skin: Protective gloves (nitrile) recommended

Eye Protection: Recommended to avoid splashing of material directly into eyes

Respiratory: In typical applications no engineering controls should be needed; if industrial hygiene surveys show that occupation exposure limits may be exceeded, use NIOSH approved respirator with organic vapor/dust/mist cartridges

SECTION 9: Physical & Chemical Parameters

Appearance: clear yellow straw

Physical state: liquid

Bulk density: 0.96

Vapor pressure: not determined

Boiling point: 83°C (181°F)

Odor: Alcohol & lard odor

Solubility in water: Complete

pH: 11.1

Vapor density: not determined

Freezing point: not determined

SECTION 10: Stability & Reactivity

Stability: Stable

Conditions to avoid: heat and open flame

Incompatibilities: Concentrated mineral supplements (fertilizers), strong oxidizers, acids

Hazardous polymerization: will not occur

SECTION 11: Toxicological Information

Oral LD₅₀ = > 5,000 mg/kg **Dermal LD₅₀ =** > 2,000 mg/kg **Inhalation LC₅₀ =** > 3,300 mg/m³

Carcinogens: None listed per OSHA, NTP, or IARC

Ethanol has been shown to be a developmental toxin from chronic ingestion; such effects are not anticipated from appropriate use of this product.

SECTION 12: Ecological Information

Ecotoxicity: May be hazardous to aquatic invertebrates. Do not apply directly to water; do not contaminate water by cleaning of equipment or disposal of washwaters.

Environmental Fate: No data available

SECTION 13: Disposal Considerations

Be aware that the waste owner has responsibility for final disposal. Regulations may also apply to empty containers, liners or rinsate. Laws may change or be reinterpreted; state and local regulations may be different from federal regulations. This information applies to materials as manufactured; contamination or processing may change waste characteristics and requirements.

SECTION 14: Transport Information

DOT Hazard Description: Consumer Commodity, ORM-D

SECTION 15: Regulatory Information

SARA Title III: reporting not required unless TPQ exceeded in inventory

Individual States: States such as Pennsylvania, New Jersey, California, Vermont, Massachusetts and Rhode Island may all have components of this product listed; consult specific state regulatory requirements for additional information.

SECTION 16: Other Information

For additional information, refer to the American Conference of Governmental Industrial Hygienists (ACGIH) documentation of TLV's (Threshold Limit Values) for individual components and the DOT Emergency Response Guidebook.

This information is provided in good faith, but without express or implied warranty.